

ABSTRACT OF THE DISCLOSURE

There is provided a magnetic head capable of efficiently carrying out a recording or reproducing operation even in the case of a shorter magnetic path length and a shorter wavelength signal. The magnetic head comprises: a pair of magnetic bodies including respective first and second medium facing surfaces, respective first and second rear surfaces opposite to the medium facing surfaces, and respective inner side surfaces, the inner side surfaces facing each other; and a magnetic gap disposed between the inner side surfaces and including third medium facing surface coplanar with the first and the second medium facing surfaces and third rear surface coplanar with the first and second rear surfaces; one of the inner side surfaces satisfying relationships of

$$x = G1/2 \text{ with respect to } 0 \leq y \leq TH, \text{ and}$$

$$0.1 \cdot \tan\{2(x-G1/2)\} + TH \leq y \leq 5 \cdot \tan(2(x-G1/2)) + TH \text{ with respect to } TH \leq y$$

where x represents X-coordinate of the one of the inner side surfaces and y represents Y-coordinate of the one of the inner side surfaces, the X-axis extends from a center of the third medium facing surface toward a center of the first or the second medium facing surface, the Y-axis extends from the center of the third medium facing surface toward the third rear surface, the Y-axis is substantially perpendicular to the X-axis, and G1 and TH respectively represent constants.